

Davidson County Measures Up to Healthy People 2010

Davidson County has met 52 objectives of *Healthy People 2010*, according to a report by Brook McKelvey and the Division of Epidemiology & Health Monitoring.

*Healthy People 2010*¹ provides a set of objectives which the public health systems (local, state, and federal) aspire to achieve in the first decade of the 21st century. The objectives were designed to identify the most significant preventable threats to health and to establish national goals for the reduction of these threats.

The purpose of this report is to measure the health status for Davidson County in relation to the national objectives. Using the most recently available data, this report provides an important perspective on the health status of Davidson County. It identifies locally the objectives which have been achieved and those for which continuing efforts are needed.

At the start of this project, the Division of Epidemiology and Health Monitoring evaluated each of the *Healthy People 2010* objectives in order to determine the following:

- a. Is the objective both measurable and applicable on the local level?
- b. Are there data sources available in Davidson County to measure the objective?

Those that were measurable on the local level and for which data were available are included in this report.

Many data sources were consulted in order to determine Davidson County's progress towards the *Healthy People 2010* objectives. These data sources included vital

¹ *Healthy People 2010* is a comprehensive, nationwide health promotion and disease prevention agenda released by the Department of Health and Human Services in 2000. It is the successor to *Healthy People 2000*, released in 1990. Both documents identify a wide range of health improvement goals and objectives.

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statistics (births and deaths), both the Behavioral Risk Factor Surveillance System (BRFSS) and the Youth Risk Behavior Survey (YRBS), hospital discharge data, notifiable disease data from the Electronic Telecommunications System for Surveillance (NETSS), the National Electronic Disease Surveillance System (NEDSS), the Sexually Transmitted Disease Management Information System (STDMIS), the HIV/AIDS Reporting System (HARS), the Tuberculosis Information Management System (TIMS), reports from the Tennessee Department of Health (TDH), and information from specific programs.

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Results

The Division evaluated a total of 823 *Healthy People 2010* objectives. A total of 333 objectives (40%) were determined to either be federal goals and not applicable on the local level or developmental goals for which standards have not been set. Of the remaining 490 objectives, local data was obtained for 162 (33%), while no local data source was identified for 328 (67%). Of the 162 objectives that were examined, Davidson County has met 52 (32%), while additional public health efforts are needed to meet the remaining 110 objectives (68%).

Cancer

- **Higher than the goal for overall cancer deaths**

In 2003, the cancer death rate in Davidson County was 211.2 deaths per 100,000 population, 32% higher than the *Healthy People 2010* objective of 159.9 deaths per 100,000 population (Objective 3-1).

- **Better than goal for breast cancer deaths**

The Davidson County breast cancer death rate in 2003 was 18.3 per 100,000 population, 18% lower than the goal of 22.3 deaths per 100,000 population (Objective 3.3).

- **Exceeded goal for mammograms**

The national goal for women aged 40 years and older who have received a mammogram within the preceding 2 years is 70%. Davidson County exceeded this by 25.9% in 2001 (Objective 3-13).

- **Better than goal for prostate cancer deaths**

In 2003, Davidson County's death rate

from prostate cancer was 11.6 per 100,000 population, compared to the goal of 28.8 deaths per 100,000 population (Objective 3-7).

- **Higher than goal for lung cancer deaths**

The lung cancer death rate in Davidson County during 2003, 65.2 deaths per 100,000 population, was 45% higher than the *Healthy People 2010* objective of 44.9 deaths per 100,000 population (Objective 3-2).

Chronic Kidney Disease and Diabetes

- **Better than objective for diabetes deaths**

The *Healthy People 2010* objective is to reduce the diabetes death rate to below 45 deaths per 100,000 population. In 2003, Davidson County, with 26.9 deaths per 100,000 population, exceeded this goal by 40% (Objective 5-5).

- **Higher than goal for new cases of End Stage Renal Disease**

The rate of new cases per million population of end-stage renal disease (ESRD) in Davidson County in 2003 was 305.9, 45% higher than the *Healthy People 2010* objective of 217.0 (Objective 4-1).

Family Planning

- **Higher than goal for adolescent pregnancy**

The rate of teenage pregnancy among females aged 15 to 17 years old, 49.6 pregnancies per 1,000 females, was 15% higher in 2004 than the *Healthy People 2010* objective of 43 pregnancies per 1,000 females (Objective 9-7).

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- **Did not meet goals for adolescents delaying or abstaining from sexual intercourse**

The proportion of both female (78%) and male (66%) adolescents in Davidson County during 2003 who did not engage in sexual intercourse before the age of 15 years was lower than the *Healthy People 2010* goal of 88% (Objective 9-8). The proportion of both female (53%) and male (46%) adolescents in Davidson County during 2003 who abstained from sexual intercourse was lower than the *Healthy People 2010* goal of 75% (Objective 9-9).

HIV and Sexually Transmitted Disease

- **Higher than goal for HIV deaths**

The death rate from HIV in Davidson County, 12.4 deaths per 100,000 population, was nearly 18 times higher than the *Healthy People 2010* goal of 0.7 deaths per 100,000 (Objective 13-14).

- **Higher for new cases of gonorrhea**

The rate of new cases of gonorrhea in Davidson County in 2004, 207.0 new cases per 100,000 population, was nearly 11 times higher than the *Healthy People 2010* goal of 19 new cases per 100,000 population (Objective 25-2).

- **Better than goal for adults with TB who are tested for HIV**

In 2005, 100% of adults with tuberculosis reported to Metro Public Health Department were tested for HIV, exceeding the *Healthy People 2010* goal of 85% by 17% (Objective 13-11).

Heart Disease and Stroke

- **Higher than goal for heart disease deaths**

In 2003, the Davidson County rate of deaths due to coronary heart disease,

251.9 deaths per 100,000 population, was nearly 52% higher than the *Healthy People 2010* goal of 166.0 deaths per 100,000 (Objective 12-1).

- **Higher than goal for stroke deaths**

The rate of deaths due to stroke in Davidson County in 2003, 67.9 deaths per 100,000 population, was nearly 42% higher than the *Healthy People 2010* goal of 48.0 deaths per 100,000 (Objective 12-7).

- **Higher than goal for adults with high blood pressure**

In 2001, the proportion of adults aged 20 years and older in Davidson County who had high blood pressure, 28.4%, was nearly 78% higher than the national goal of 16% (Objective 12-9).

Immunizations and Infectious Disease

- **Higher than goal for new Hepatitis B cases**

In adults aged 19 to 24 years, the rate of reported new cases of Hepatitis B infection in Davidson County in 2003, 28.7 cases per 100,000 population, was nearly 12 times higher than the *Healthy People 2010* goal of 2.4 cases per 100,000 population (Objective 14-3a).

- **Better than goal for child immunizations**

Davidson County has achieved effective vaccine coverage levels for universally recommended vaccines among children aged 19 to 35 months. The percent of children immunized in Davidson County who received all recommended vaccines in 2004, 89.7%, was 1.2 times higher than the *Healthy People 2010* goal of 80% coverage (Objective 14-24a).

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- **Higher than goal for new TB cases**

In 2005, the rate of new cases of tuberculosis in Davidson County, 11.4 new cases per 100,000 population, was 11 times higher than the *Healthy People 2010* objective of 1.0 new cases per 100,000 (Objective 14-11).

- **Lower than goal for both influenza and pneumonia vaccines in adults**

The percentage of non-institutionalized adults who received the influenza vaccine in Davidson County in 2001, 67.3%, was 25% lower than the *Healthy People 2010* annual objective of 90% (Objective 14-29a).

Maternal, Infant and Child Health

- **Higher than goal for infant deaths**

In 2003, infant mortality in Davidson County, 7.8 deaths per 1,000 live births, was 73% higher than the *Healthy People 2010* objective of 4.5 deaths per 1,000 live births (Objective 16-1c).

- **Sudden Infant Death Syndrome (SIDS) deaths over twice as high as goal**

The rate of death from Sudden Infant Death Syndrome (SIDS) in Davidson County in 2003, 0.56 deaths per 100,000 population, was over 2 times the *Healthy People 2010* goal of 0.25 deaths per 100,000 (Objective 16-1h).

- **Close to goal for prenatal care**

The national objective is that of 90% of pregnant women will start prenatal care in the first trimester of pregnancy. Davidson County at 86.5% was nearly 4% below the goal in 2003 (Objective 16-6a).

- **Nearly twice the goal for low birth weight**

In 2003, the percentage of low birth weight infants born in Davidson County, 9.8% of live births, was 90% higher than the *Healthy People 2010* goal of 5% (Objective 16-10a).

- **Preterm births higher than goal**

In 2003, the percentage of preterm births in Davidson County, 11.2% of live births, was 47% higher than the *Healthy People 2010* goal of 7.6% (Objective 16-10a).

Nutrition, Overweight, and Physical Activity

- **Higher than goal for obese adults**

In 2001, 19.1% of adults were obese, 27.3% higher than the goal of 15% (Objective 19-2).

- **Lower than goal for adults at a healthy weight**

In 2001, the proportion of adults in Davidson County who were at a healthy weight, 41%, was nearly 32% lower than the *Healthy People 2010* goal of 60% (Objective 19-10).

- **Lower than goal for adolescents who exercise daily, engage in vigorous exercise, and watch less TV**

In Davidson County during 2003, 23% of adolescents participated in daily school physical education, 36% lower than the *Healthy People 2010* objective of 50% (Objective 22-9). In 2003, 51% of adolescents said they watched 2 or fewer hours of television on a school day, 32% below the goal of 75% (Objective 22-11).

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Respiratory Diseases

- **Better than goal for asthma deaths of children under 5 and adults 65 and over**

In 2003, among the oldest and youngest segments of the population, Davidson County met or exceeded the *Healthy People 2010* objective for asthma-related deaths (Objectives 24-1a, 24-1e).

- **Better than goal for asthma hospitalizations of children under 5**

Davidson County met the *Healthy People 2010* objective for reducing asthma hospitalizations for children under the age of 5 years. Davidson County had 16.5 hospitalizations per 100,000 population in 2002; the goal is 25.0 hospitalizations per 100,000 (Objective 24-2a).

- **Over twice as high as goal for deaths from Chronic Obstructive Pulmonary Disease**

In 2003, among adults aged 45 years and older, the rate of death from Chronic Obstructive Pulmonary Disease in Davidson County was 137.8 deaths per 100,000 population, 2.3 times higher than the *Healthy People 2010* objective of 60 deaths per 100,000 (Objective 24-10).

Substance Abuse and Tobacco Use

- **Nearly 13 times higher than goal for drug-related deaths**

The rate of drug-related deaths in Davidson County in 2003, 12.8 deaths per 100,000 population, was almost 13 times higher than the *Healthy People 2010* objective of 1.0 deaths per 100,000 population (Objective 26-3).

- **Higher than goal for cirrhosis deaths**

The rate of deaths due to cirrhosis in Davidson County in 2003 was 13.4 per 100,000 population, compared to a goal of 3 deaths per 100,000 (Objective 26-2).

- **Higher than goal for use of smokeless tobacco**

The use of spit tobacco in Davidson County in 2001 by 2.9% of adults aged 18 and older was more than 6 times the national objective of 0.4% (Objective 27-1b). The rate of smokeless tobacco use among adolescents in Davidson County, 4% of students in grades 9 through 12, was 4 times higher than the *Healthy People 2010* goal of 1% (Objective 27-2c).

More information about *Healthy People 2010*, including the complete document, is available at www.health.gov/healthypeople. The *Healthy People 2010* report will be available on the Metro Public Health Department website <http://healthweb.nashville.gov> in the near future. For a copy, or more information, please contact Brook McKelvey at 340-0474.

Last Issue of Public Health Watch

To our readers,

Because of the prominence of the Internet as a source of information, it is now possible for the Division of Epidemiology and Health Monitoring to provide in depth information in a more timely manner than was possible through the *Public Health Watch* newsletter. Therefore, this will be the last issue of *Public Health Watch*. The Notifiable Disease Report and other reports and data produced by the Epidemiology and Health Monitoring Division are already available on the MPH D website. Information on current health issues, and announcements of events such as flu shot clinics and mosquito spraying, are also available on the website. We will send out email notification when new reports or papers are available on our website.

We thank you for your interest in our newsletter and encourage you to visit the MPH D website regularly for current public health information.

Reported Cases of Selected Notifiable Diseases for April - June 2006

Disease	Cases Reported in April - June		Cumulative Cases Reported through June	
	2005	2006	2005	2006
AIDS	86	47	140	117
Campylobacteriosis	11	2	19	4
Chlamydia	751	641	1,349	1,483
Escherichia coli 0157:H7	0	0	0	0
Giardiasis	14	17	23	28
Gonorrhea	244	335	529	672
Hepatitis A	12	2	18	3
Hepatitis B (acute)	8	7	11	10
Hepatitis B (perinatal)	11	7	13	25
HIV	73	87	157	172
Influenza-like Illness	56	94	1,345	1,739
Neisseria meningitidis disease	1	0	2	0
Salmonellosis	14	17	30	28
Shigellosis	100	4	229	10
Syphilis (primary and secondary)	4	5	9	14
Tuberculosis	16	14	34	33

To report a notifiable disease, please contact:

Sexually transmitted diseases: Brad Beasley at 340-5676

Tuberculosis: Alisa Haushalter at 340-5650

AIDS/HIV: Mary Angel-Beckner at 340-5330

Hepatitis C: Pat Sanders at 340-5632

Hepatitis B: Denise Stratz at 340-2174

Vaccine-preventable diseases: Mary Fowler at 340-2168

For all other notifiable diseases, please contact: Pam Trotter at 340-5632

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